

CLAIMS

[001] A dishwasher with an optical display device which has light means (1) for producing a light beam which is directed onto at least one display surface (4), characterised in that at least one colour filter disk (3) is arranged in the beam path of the light beam produced by the light means (1), said disk determining the colour of the light beam.

[002] The dishwasher with a display device according to claim 1, wherein the at least one filter disk (3) is preferably exchangeably arranged in the beam path of the light beam produced by the light means (1) between the light means (1) and the display surface (4).

[003] The dishwasher with a display device according to any one of claims 1 or 2, wherein a filter disk (6) is preferably exchangeably arranged in relation to the direction (A) of the light beam produced by the light means behind the display surface (4).

[004] The dishwasher with a display device according to any one of the preceding claims, wherein the display surface (4) is made at least partly of a transparent, preferably matt-finished surface.

[005] The dishwasher with a display device according to any one of the preceding claims, wherein the display surface (4) is a liquid crystal display which is divided into a number of segments whose transparency and/or colour is individually variable by an externally applied electric voltage.

[006] The dishwasher with a display device according to claim 5, wherein the individual segments of the liquid crystal display (4) are controlled individually, preferably electronically, by the program control of the dishwasher.

- [007] The dishwasher with a display device according to any one of the preceding claims, wherein a mask (3, 5) is preferably exchangeably arranged in the beam path of the light beam produced by the light means (1), its silhouette being projected by the light beam onto the display surface (4).
- [008] The dishwasher with a display device according to any one of the preceding claims, wherein a light shaft is arranged in the ray path of the light beam produced by the light means (1) which has a reflecting surface on its side facing the light beam.
- [009] The dishwasher with a display device according to claim 8, wherein the light shaft is constructed so that it focuses the light beam produced by the light means (1) and at least partly reflects it in the direction of the display surface (4).
- [010] The dishwasher with a display device according to any one of the preceding claims, wherein the light means (1) is a light-emitting diode which produces preferably white light.